

DREAMTIME CAMERA SETUP

M3UEEXPRSDMTMN001

[Start_IMS](#)

STATION PARTS

Television Camera Body
Microphone
Wide angle Lens
Viewfinder
Battery
Tape(s)
Battery Case
Focus Chart

1. UNSTOW & SETUP DREAMTIME CAMERA

TBD

1.1

Unstow:

Television Camera Body
Battery Case
Microphone
Wide angle Lens
Viewfinder
Battery
Tape(s)

WARNING

Visually inspect lens and viewfinder zip lock bag for broken glass before opening

NOTE

1. Orientation for lens mount: front of the camera.
2. Orientation for EJECT: push-button on the top of camera
3. Orientation for Tape: Tape goes in right side of camera
4. Operational switches and status displays: Most of the operational switches & displays are on the left side of the camera.

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- 1.2
Install lens to front of the camera body.
Remove camera body cap by turning lens locking ring tab ↺
Remove lens rear cap by turning ↺
Stow camera body cap and lens rear cap.
Align slotted pin on lens mount with slot in lens mount on camera body.
Turn locking ring tab ↺
Connect lens cable to camera (The LENS connector is on the lower portion, right front of the camera).
Align connector and push inward (will click when seated).
- 1.3
Install Viewfinder to front top of camera.
Align slot on front of Viewfinder to plate in front of knurled knob, loosen knurled knob and push Viewfinder on.
Tighten knurled knob.
Align plug on cable to connector on camera body and push in.

NOTE

1. Viewfinder may be adjusted laterally by loosening knurled knob and repositioning.
2. Front-to-back may be adjusted by loosening lever on the Viewfinder mount next to the handle and repositioning.
3. Viewfinder may be removed by disconnecting cable from camera body, loosening knurled knob, and sliding Viewfinder off while holding up the pin on the back top of the viewfinder.

2. INSTALL MICROPHONE ON VIEWFINDER

NOTE

The MIC IN connector is on the lower right front side of the camera.

Loosen retaining Viewfinder thumbscrew, open microphone holder.
Place microphone in holder keeping UP marking on microphone pointed above the camera.
Close holder and tighten retaining thumbscrew.
Microphone cable → | ← MIC IN (lower right-front corner).
Align the connector and push in (will click when seated).

3. INSTALL BATTERY CASE, BATTERY & TAPE

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- 3.1 Install Battery Case to back of camera body by aligning wedge plate on Battery Case to wedge mount on camera body.
Push down until seated.

- 3.2 Open Battery Case door using the latch.
Install Battery with cable at top.
Connect cable to connector on top inside of the Battery Case.
Close & latch case door.

NOTE

Power switch is located on the left side, bottom of the camera in the front. Tape door will open on right side of camera.

- 3.3 POWER sw → ON
Press pb (blue) EJECT (top of camera).
Retrieve Tape.
Push Tape down until it seats.

NOTE

Orange hatch on tape is forward & tape hubs face inside of camera.

Close tape door by pushing on indicated spot on the tape door until it latches closed.

POWER sw → OFF

Camera
Body

4. DEFAULT SETTINGS (on Status Panel)

- √Display sw — TC
- √Light sw — Off

5. DEFAULT SETTINGS (door below Status Panel)

- 5.1 Open door.
- 5.2
- √PRESET/REGEN sw — REGEN
 - √F-Run/SET/R-RUN sw — R-RUN
 - √DF/NDF sw — DF
 - √REAL TIME sw — OFF
 - √CH-1/CH-2 LEVEL sw — Not Applicable
 - √AUTO/MANUAL sw — Both AUTO
 - √AUDIO IN sw — Both FRONT
 - √CUE IN sw — MIX

6. DEFAULT SETTINGS (left side front of camera)

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- √Alarm sw (Volume) — 12:00
- √Monitor sw — MIX
- √Monitor (Volume Dial) (not labeled) — adjust to 9:00 o'clock position.
- √White Balance sw — A
- √Output sw — ON

NOTE


Output switch has three positions: BARS, CAM, CAM DCC. Even with 'ON, CAM DCC is Default.

- √Gain sw — L
- VTR sw → SAVE
- √VF DISP sw — OFF
- √MENU sw — Mom, no default
- √ND/CC Filter sw — Set for recording conditions (see step 12.1, Table 1).

7. DEFAULT SETTINGS (front of camera)

- √AUTO W/B BAL sw — Mom
- √MIC/MENU sw — Rotary control
- √SHUTTER sw (bottom of camera) — OFF

8. DEFAULT SETTINGS (for LENS)

- √1X/2X Lever — 1X (near lens mount on left rear of lens)
- √M (macro focus) Ring — locked in detente (check by depressing M button and moving ring, rotate until click and button pops back up)
- √IRIS — A (right side, in front of zoom control)
- √ZOOM Switch — SERVO (located on bottom of housing for zoom control)
- √Z.S. — Rotary control  (located next to ZOOM switch)

9. DEFAULT SETTINGS (for front of Viewfinder)

- 9.1 √BRIGHT sw - 12:00
- √CONTRAST sw - 12:00
- 9.2 POWER sw → ON
- 9.3 Adjust brightness and contrast by setting OUTPUT to BARS.

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Adjust BRIGHT until each bar is well defined with good black and without blooming effect in white.

Adjust CONTRAST to best definition on all bars.

9.4 OUTPUT sw → ON

√PEAKING - 3:00

√TALLY - OFF

√ZEBRA - OFF

√ASPECT/DISPLAY – Mom

Adjust lens Focus for sharpest picture.

Adjust PEAKING knob on Viewfinder for maximum edging to reduce noise.

Adjust Diopter on Viewfinder to sharpest picture.

NOTE

1. If Viewfinder switch labeled ASPECT and DISPLAY has two functions. When ASPECT is momentarily engaged, the view changes from cutoff edges to full view. When DISPLAY is momentarily engaged, Viewfinder information (indicators and frame lines) is restored.
2. Peaking has to be set very high in order to see best focus. This causes edging to show up around objects in the Viewfinder, but has no effect on the picture. Best focus is obtained when the edging peaks.

9.5 Daily Pixel check, close the iris of the lens by changing the IRIS A/M sw to M and turning the iris ring to C.

9.6 Observe the image in the Viewfinder.
(Bad pixels will be indicated by white dots in the image)
{DREAMTIME PIXEL FIX}

9.7 IRIS A/M sw → A

9.8 POWER sw → OFF (if not continuing to step 10.)

10. PREPARATION TO RECORD

10.1 POWER sw → ON

10.2 √Default Settings if not previously done.
√STATUS PANEL for error messages.

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√BATT indicator on Status Panel (at least four segments showing for a 30 minute activity)

√Lens has been cleaned

VTR sw - STBY

10.3 If new Tape set timecode using switches (below and beside status panel):

PRESET/REGEN sw → PRESET

F-RUN/SET/R-RUN sw → SET

pb RESET on left side of Display Panel (counter in display should read all 0s)

F-RUN/SET/R-RUN sw → R-RUN

PRESET/REGEN sw → REGEN

11. BLACK BALANCE ADJUSTMENTS

AUTO W/B BAL sw (front, left bottom) – BLK (Mom)

√Viewfinder (display) - ABB: EXECUTING, ABB: OK

If Viewfinder (display) ABB: NG, then:

Repeat Step 11.1

If after repeating Step 11.1

Viewfinder (display) ABB: NG, then:

√**POIC**

12. WHITE BALANCE ADJUSTMENTS

CC → Set Applicable Color Temperature per Table 1

ND Filter → Set Applicable Neutral Density per Table 1

	Condition	Setting
CC	Do Not Use (special effects)	A
	Inside, unless WB NG	B
	Inside if WB NG	C
	External views	D

ND Filter	Inside, external under low light	1
	Inside, if picture washed out on 1	2
	External	3, 4

Table 1

Frame white target.

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AUTO W/B BAL (front,left bottom) sw → WHT (Mom)
√Viewfinder (display) — ABB: EXECUTING, AWB: OK

If Viewfinder (display) displays message AWB: NG, then:
Change CC & ND filters for shooting condition.

NOTE

Preset Adjustments are used when there is no time to perform White Balance.

If no time to perform white balance, then
Set WHITE BAL sw → PRST
else,
Set CC and ND filters appropriately per Table 1
(use CC - C when in-cabin).

13. RECORDING

- 13.1 When using a new Tape:
OUTPUT sw → BARS
√VTR sw — STBY
Record ~ 30 seconds by pb VTR
OUTPUT sw → DCC ON.
Focus by zooming in as far as possible and set focus.
√Exposure in Viewfinder (display)

- 13.2 Exposure is washed out check lens Iris (first adjustable ring).

If > 16, use higher ND Filter number.

If ≤ 16, set LENS A/M switch to M then,
Zoom in on subject.
pb (no label next to M) to set exposure.
Begin recording.
Return LENS A/M to A after shooting.

- 13.3 Exposure is too dark, check the ND Filter and use a lower number.

NOTE

Using GAIN M or H adds noise to picture, so use sparingly.

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When ND Filter already set to 1, change the GAIN sw (front left of camera) and use M or H as needed.
Return to L after recording complete.

NOTE

1. Zebra Pattern is helpful in determining manual exposure.
2. May be activated by turning ZEBRA sw → On (located front Viewfinder)
3. Portions of image at 100% or higher video level will have a stripe pattern superimposed. Setting LENS A/M sw to M and adjusting iris ring on camera will allow only brightest portion of picture to show stripe pattern.
4. Activating the ZEBRA MOMENT sw will turn on the pattern for a few seconds, then it will disappear, serves as a useful check of the automatic iris.

13.4 Begin recording by pressing pb VTR (on back of lens)
or

Press pb VTR START (on front right bottom of camera body)
Annotate station time or record wrist watch for 5 seconds.
Stop recording by pressing either VTR sw or VTR START.

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13.5

If Tape is full and to prevent tape erasure:
Red tab (on bottom of tape) → Press in

To release tape protection:
Red tab (on bottom of tape) → Pull out